

INFORMATION REPORT

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COUNTRY East Germany

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SUBJECT Shortages Reflecting on the 1954 Chemical
Production Plan

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**SUPPLEMENT
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THIS IS UNEVALUATED INFORMATION

1. Prospects for the success of the 1954 planned production of DNE Chemie will be seriously jeopardized by shortages of various raw materials. These shortages are caused by:
- a. Maladjustment between exports and industrial needs
 - b. Disproportion between imports and production requirements
 - c. The requirements of the "new course" are taken into account in the production plan of the plant producing the end product, but these requirements are not given consideration in the plan of the plant producing the basic material.
- d. Developments during the year 1953 did not contribute to maintenance of reserves, much less to the increase of these reserves which were intended to counterbalance losses caused by plan failures and unforeseen occurrences.

2. The following table shows the deficiencies in the supply of each product and the reasons therefor. Units are metric tons unless otherwise indicated.

Product	Available for 1954	Requirements for 1954	Remarks

<u>Baicalidin</u>	1,300	2,200	The winter construction program will be achieved with the assistance of the anti-frost medium, <u>Baicalidin</u> . An important ingredient is calcium chloride; despite a bottleneck in supply, calcium chloride is being exported. The production of many items will be jeopardized in summer by the shortage of cooling acids.
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Calcium chloride brine (Chlor- calciumlaug)	9.457	13,121
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Calcium chloride		
powder 33-056	400	700

Calcium chloride.		
ground, 70-75%	2,400	2,500

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Product	Available for 1954	Requirements for 1954	Remarks
Platherm	24,600	33,365	Platherm, a foam substance on a urea-base, is the most useful insulating medium for cold-storage buildings, ships, and trucks. The production of platherm is reduced because its most important ingredient, formaldehyde, is being exported in large quantities.
Urea	2,416	3,900	
Formaldehyde			
Zellin	4,720	5,500	Zellin is an product for the manufacture of a sizing (Maierleim) and an additive (dirt absorbent) for soap and washing materials.
Glazier's putty (Fensterkitt)	4,420	9,000	Supplies of this material were inadequate because of shortage of chalk and of drying vegetable oils, not for lack of productive capacity in public and private industry. Low pay and consequent labor shortage in the field of chalk production is given as the reason.
<u>Wood Preservatives</u>			
Dohnalit UA	930	1,300	In accordance with a regulation of 27 September 1951, all building materials for external use are to be impregnated. On 28 August 1953 the supplementary regulation was made that wood used inside buildings is to be impregnated. Since 1951, therefore, consumption has continued to rise.
Dohnalit paste	194	260	
Dohnalit bands (1,000 units)	144	204	
Magnesium silicofluoride	28	65	Imported product.
Zinc silicofluoride	6	10	Imported product.
Kylamon	2,320	2,461	Supply of naphthalene is inadequate.
Bitumen emulsion	720	866	
<u>Metallurgy</u>			
Austral rutile	800	1,432	This material forms the principal ingredient of high-grade welding electrodes. In addition full capacity of the installation for producing titanium dioxide depends to a considerable extent upon preparation of ilmenite and Austral rutile. While the raw materials are wholly dependent upon imports, supplies of the finished products (welding electrodes and titanium white) are imported only in part.

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<u>Product</u>	<u>Available for 1954</u>	<u>Requirements for 1954</u>	<u>Remarks</u>
Tin oxide	100	173	The decision of the Council of Ministers in regard to the increase and improvement of production of consumers' goods provides also for an increase in household enamelware. Tin oxide is used particularly for white enamel (Import)
Ceric fluoride	6	25	Ceric fluoride is used especially for surface refining of aluminum. (Importation)
Ammonium chloride, technical	400	1,100	Used in galvanizing plants, in production of batteries and cells and in the treatment of vanadium.
<u>Rubber Industry</u>			
Vulkazid Merkapt	200	240	Exported in part
Vulkazid Thiuram	96	145	Important vulcanization accelerator and ingredient in producing plastics (exported in part)
Hexamethylentetramin	490	690	
Active fillers	1,140	1,300	Production of white rubber goods.
<u>Plastics Processing</u>			
Palatinole	4,320	4,770	Manufacture of igelit articles; it possesses great cold- and heat-resistant properties; for nitro-cellulose, polyvinyl acetate, and Polyethylol lacquer. (exported in part)
Triphenyl phosphate	100	170	Manufacture of rubber- and buna-mixtures, for processing acetyl-nitro-cellulose.
Trikrosyl phosphate	4,000	4,400	Manufacture of lacquers, artificial leather, adhesive and binding media; extracting of phenols from distilled and hydrogenated washings; nitrocellulose lacquer. (Exported in part)
Mesamoll	3,500	4,120	Manufacture of igelit, leatherette and linoleum.

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- b In the opinion of the pertinent division, it is not possible to fulfill the plan with the raw materials allotted for the year 1954. Apart from this fact, the balance given in the table shows a shortage of 2,500 tons of paints with oil base, of which 500 tons are ready-to-use minium coloring (Bleimennigefarbe) and 1,000 tons cellulose lacquers.
- c The ~~rolling~~ of the Council of Ministers concerning the increase and improvement of consumer goods sets definite tasks for the lacquer and paint industry in the packaging of boat paints and for bronzes, the fulfillment of which will be seriously jeopardized if the import plan is not changed.

Product	Available for 1954	Requirements for 1954	Remarks
<u>Oils</u>			
Raw linseed oil	3,500	6,000	Partly imported
Lacquer linseed oil	8,200	8,700	Partly imported
Wood oil	500	1,000	Importation
<u>Natural Resins</u>			
Copals	50	350	Importation
Dammars	50	200	Importation
Shellac	50	200	Importation
Gum arabic	-	30	Importation
Cumaron resin	450	650	
<u>Artificial Resins</u>			
Vinoflex Stammloesung I	650	850	
Vinoflex concentrate	50	140	
Artificial resin L 2	360	450	
Plastakolophon	1,042	1,393	
Modiplast	40	80	
Resin ether	17	65	
Duxalkyd A II, A II K	590	1,000	
Duxalkyd L 100	63	147	
PKL - fused mass	70	200	
PKR - fused mass	10	15	
Gello-Dammar	27	60	
Suprarosin	4	12	
Artificial resins from imports	350	51	
<u>Pigments</u>			
Zinc oxide	2,500	4,000	Partly imported
Lithopone	8,600	10,000	Partly exported
Titanium dioxide	2,600	3,000	Partly imported
Barite, dry	550	1,000	Partly imported
Barite, paste	2,510	2,900	
White lead in oil	60	175	
Red lead, NS quality	790	1,200	Partly imported
Red lead, K quality	1,710	2,590	Partly imported
Chrome pigments, pure	256	650	
Chrome oxide, green	240	275	
Iron oxide, red	2,360	2,650	Partly imported
Milori blue	252	287	Partly exported
Miscellaneous inorganic pigments	-	150	Importations
Gold- and silverbronze	80	200	Importation
Polish red	48	61	
Siccatives	520	600	

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<u>Product</u>	<u>Available for 1954</u>	<u>Requirements for 1954</u>	<u>Remarks</u>
<u>Lacquers and Paints</u>			
with oil base	35,821	38,321	
with cellulose base	17,222	18,222	
Grand Total	80,458	83,958	
<u>Paper and Textile Industry</u>			
Sizing white	1,200	1,650	Manufacture of good white paper
Sodium bleaching wash	17,750	19,500	Bleaching of raw paper materials; also used by the textile industry
Zinc chloride wash	1,080	1,230	Manufacture of lithopone, vulcanized fiber, and activated carbon
Hydrogen peroxide	1,066	1,200	Bleaching of textiles, fur, and artificial fibers
<u>Wood Processing</u>			
Bone glue, pure	300	1,400	Complaints about badly glued furniture are general. The government has increased the possibility of buying furniture by its approval of installment buying. This places larger responsibilities upon the furniture industry. The unsatisfactory supplies of natural and plastic glues will result in lowering the adhesive power of glues, thereby causing diminished productivity through the necessity for longer drying periods. This will also result in lowering the quality of the product.
Sizing (animal glue)	1,266	1,455	
Glued glue, dark	120	160	
Glued glue, light	237	336	
Skin glue (Bourlain)	550	686	
Casein glue	900	1,413	Owing to diminished processing of formaldehyde the capacity of the industry cannot be fully exploited. The use of plastics is constantly increasing, yet it is threatened if the production of formaldehyde is not expanded. Formaldehyde is being exported.
<u>Acrylic glue</u>	3,990	5,315	
Formaldehyde	34,800	40,000	
<u>Farming</u>			
Acetaldehyde	36	275	Used in the manufacture of vinyl alcohol for milk testing and for penicillin production
Monochlorobenzene	3,500	4,200	Manufacture of plant insecticides. to implement the directive concerning the preparation and carrying out of spring cultivation 1954. (Gesetzblatt 11 of 25 January 1954 (Partly exported))

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Product	Available for 1954	Requirements for 1954	Remarks
<u>Food and Luxuries</u>			
Edible gelatine	258	530	The lasting quality of processed foods made of meat and of fish will be increased by the use of gelatin. Various foods in greater quantities
foil	15	40	
Pharmaceutic gelatine	24	33	
Benzozate	264	310	Preservative (Exported in part)
Sodium bicarbonate	2,400	3,000	Leavening
Ammonium chloride DAB VI	240	350	Improvement of the assortment of edible fats for export of various mineral oils
Fuller's earth	5,400	6,100	
<u>Household Needs</u>			
Hexamoll	3,500	4,120	Manufacture of Alcolacum, imitation leather, and Ugelit.
Ortho-dichlorobenzene	180	450	Manufacture of floor wax, shoe cream, and metal polishes
<u>Cosmetics</u>			
Benzyl chloride	128	250	Manufacture of scents
Isopropanol	280	600	Manufacture of favorably priced toilet waters, hair lotions, and mouth washes
<u>Photography</u>			
Potassium metabisulphite	250	320	Important ingredient of developer solution (Exported in part)
Ferrous sulphate	500	600	Manufacture of magnet supports

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